

<b>TRANSMITTAL LETTER TO THE UNITED STATES</b>		<b>ATTORNEY'S DOCKET NUMBER</b> 49288.1000
<b>DESIGNATED/ELECTED OFFICE (DO/EO/US)</b>		<b>U.S. APPLICATION NO.</b> (If known, see 37 CFR 1.5) 10/530,982
<b>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		
<b>INTERNATIONAL APPLICATION NO.</b> PCT/JP03/13095	<b>INTERNATIONAL FILING DATE</b> 10 October 2003	<b>PRIORITY DATE</b> 11 October 2002
<b>TITLE OF INVENTION</b> HYDROGEN CONDENSATE AND METHOD OF GENERATING HEAT THEREWITH		
<b>APPLICANT(S) FOR DO/EO/US</b> Yoshiaki ARATA		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li><input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li><input type="checkbox"/> The US has been elected (Article 31).</li> <li><input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> has been communicated by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto.</li> <li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li><input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> <li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> have been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li><input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> </ol>		
<b>Items 11 to 20 below concern document(s) or information</b>		
<ol style="list-style-type: none"> <li><input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input type="checkbox"/> A preliminary amendment.</li> <li><input type="checkbox"/> An application Data Sheet under 37 CFR 1.76.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</li> <li><input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li><input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li><input checked="" type="checkbox"/> Other items or information: <b>Notification of Missing Requirements Under 35 USC 371 in the US Designated/Elected Office (DO/EO/US); Return Postcard</b></li> </ol>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. APPLICATION NO. (if known, see 37 CFR

INTERNATIONAL APPLICATION NO.

ATTORNEY'S DOCKET NUMBER

10/530,982

PCT/JP03/13095

49288.1000

The following fees are submitted:

	CALCULATIONS	PTO USE ONLY
21. <input type="checkbox"/> Basic national fee ..... \$300	\$ \$0.00	#5
22. <input type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). ..... \$100	\$ \$0.00	
All other situations. .... \$200		
23. <input type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100		
International Search Report prepared and provided to the Office ..... \$400	\$ \$0.00	
All other situations. .... \$500		
<b>TOTAL OF 21, 22 and 23 =</b>	\$ \$0.00	

☐ Additional fee for specification and drawings filed in paper over 100 sheets (excluding  
sequence listing or computer program listing filed in an electronic medium). The fee is  
\$250 for each additional 50 sheets of paper or fraction thereof.

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE		
- 100 =	0 /50 =	0	x \$250.00	\$ \$0.00	

Surcharge of \$130.00 for furnishing the oath or declaration later than 30  
months from the earliest claimed priority date (37 CFR 1.492(h)).

\$ \$130.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	- 20 =	0	x \$50.00	\$ \$0.00	
Independent claims	- 3 =	0	x \$200.00	\$ \$0.00	
Multiple Dependent Claims (if applicable) <input type="checkbox"/>			+ \$360.00	\$	

**TOTAL OF ABOVE CALCULATIONS =**

\$ \$130.00

☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are  
reduced by 1/2.

\$ \$0.00

**SUBTOTAL =**

\$ \$130.00

Processing fee of \$130.00 for furnishing the English translation later than 30 months from  
the earliest claimed priority date (37 CFR 1.492(i)).

\$

**TOTAL NATIONAL FEE =**

\$ \$130.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must  
be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per

+

\$

**TOTAL FEES ENCLOSED =**

\$ \$130.00

10/18/2005 ATRAN1 00000129 10530982

01 FC:1517

130.00 DP

Amount to be  
refunded: \$

Amount to be  
charged: \$

- a. ☒ A check in the amount of \$130.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment  
to Deposit Account 19-2814. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card  
information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or  
(b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

CUSTOMER NUMBER 20322

Shahpar Shahpar

Snell & Wilmer, L.L.P.

One Arizona Center

400 E. Van Buren Street

Phoenix, AZ 85004-2202

P: 602-382-6306

F: 602-382-6070

e-mail: sshahpar@swlaw.com

S. Shahpar 10-11-05  
SIGNATURE

Shahpar Shahpar

NAME

45,875

REGISTRATION NUMBER



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO. 10/530,982	FIRST NAMED APPLICANT Yoshiaki Arata	ATTY. DOCKET NO. 49288.1000
---	---	--------------------------------

20322 SHS  
 SNELL & WILMER  
 ONE ARIZONA CENTER  
 400 EAST VAN BUREN  
 PHOENIX, AZ 850040001

**RECEIVED**

SEP 20 2005

SNELL &amp; WILMER

INTERNATIONAL APPLICATION NO.

PCT/JP03/13095

I.A. FILING DATE

10/10/2003

PRIORITY DATE

10/11/2002

CONFIRMATION NO. 9255

371 FORMALITIES LETTER



\*OC000000017001405\*

Date Mailed: 09/14/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 04/11/2005
- English Translation of the IA filed on 04/11/2005
- Preliminary Amendments filed on 04/11/2005
- Information Disclosure Statements filed on 04/11/2005
- U.S. Basic National Fees filed on 04/11/2005
- Priority Documents filed on 04/11/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

## SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE**

NOTED FOR RECEIPT.

Response 11-14-05

**DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHELBY J VIGIL

Telephone: (703) 308-9140 EXT 224

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/530,982	PCT/JP03/13095	49288.1000

FORM PCT/DO/EO/905 (371 Formalities Notice)